

**I-20 at Vicksburg  
Environmental Assessment**

**Public Hearing  
August 23, 2012**

**Comparison of Alternative B's One-Way Ultimate Frontage Road System  
with Alternative C's Two-Way Ultimate Frontage Road System**

**General Advantages of Alternative B's One-Way Frontage Road System**

- Provides more traffic capacity
- Is approximately \$9,000,000 (nine million dollars) cheaper
- Addresses long-term traffic demand
- Has less traffic conflicts at intersecting streets and driveways
- Provides more efficient operation at signalized intersections
- Does not require converting the traffic operations (pavement markings, traffic signs and signals) back to two-way after the mainline interstate construction is completed and the interstate traffic is removed from the frontage roads

**Site Specific Advantages of Alternative B's One-Way Frontage Road System**

- At the Hall's Ferry Road Interchange, the Halls Ferry Road ramp to I-20 East has a connection to the South Frontage Road which will reduce traffic at the Halls Ferry Road/Pemberton Boulevard Intersection.
- At the Indiana Avenue Interchange, the businesses adjacent to Indiana Avenue between the Country Club Drive – Old Indiana Ave intersection on the south side of the interchange and the Bugle Ridge Drive intersection on the north side of the interchange are allowed to remain, but any frontage road access these businesses have would be eliminated.
- At the Indiana Avenue Interchange, the shopping center parking lot is not reduced in the northwest quadrant of the Interchange.
- At the Indiana Avenue Interchange, access to Indiana Avenue from the east approach on the North Frontage Road will be maintained.
- At the Indiana Avenue Interchange, maintains the Indiana Avenue/Country Club Drive – Old Indiana Avenue Intersection.

- At the Clay Street/US 80 Interchange, having access to the I-20 east bound exit ramp provides the east bound traffic on the South Frontage Road better access to US 61 North and I-20 East.
- At the Clay Street/US 80 Interchange, having access to the I-20 east bound exit ramp provides the westbound traffic on the City of Vicksburg maintained frontage road an alternate access to Clay Street/US 80, US 61 North/SR 27, and I-20.
- At the frontage road circulation bridge location east of Halls Ferry Road, less right of way impacts occur.

#### **General Advantages of Alternative C's Two-Way Frontage Road System**

- For the I-20 motorist exiting to a destination that can be accessed from an interchange or adjacent interchanges, minimal planning is required to avoid out of direction travel to the desired destination.
- Does not create out of direction travel for motorists entering the frontage road from driveways and minor streets when they have a frontage road destination to the left of their entry point.
- Lower overall traffic speeds would be expected because only one through lane is provided for both directions of travel.

#### **Site Specific Advantages of Alternative C's Two-Way Frontage Road System**

- At the Indiana Avenue Interchange, the shopping center in the northwest quadrant of the interchange retains their eastern frontage road access.
- At the Clay Street/US 80 Interchange, not allowing any frontage road access to the I-20 East exit is safer.

This completes the comparison of Alternative B's one-way and Alternative C's two-way frontage road systems.